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## FACSIMILE TRANSMISSION

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From :	Jason E. Pauls
Email Address :	jepauls@foley.com
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Date :	March 24, 2005
Client/Matter No. :	065640-0210
Application No. :	10/632,805

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Carolyn Simpson  
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March 24, 2005  
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## MESSAGE:

Title: SEPARATION APPARATUS  
Inventors: Majid Eftezarian et al.  
Application Serial No.: 10/632,805

## Attached:

- Information Disclosure Statement (in duplicate) (12 pages)
- PTO Form SB/08 (2 pages) with copies of 9 references

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Cover Page 1 of 1

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Atty. Ext. No. 065540-2210

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Majid ENTEZARIAN et al.  
Title: SEPARATION APPARATUS  
Appl. No.: 10/532,805  
Filing Date: 03/04/2003  
Examiner: Hopkins, Robert A.  
Art Unit: 1724

<b>CERTIFICATE OF FACSIMILE TRANSMISSION</b> I hereby certify that this document being facsimile transmitted to the United States Patent and Trademark Office, Alexandria, Virginia on the date below.  Carolyn Simpson (Printed Name) <i>Carolyn Simpson</i> (Signature)  March 24, 2005 (Date of Dispatch)
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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

-1-

002.1365871.1

Atty. Dkt. No. 065640-0210

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELATED APPLICATIONS

The Examiner is hereby advised of the existence of the applications listed below which share at least some common disclosure with the above-identified patent application and/or which may serve as the basis of priority and/or otherwise relate to the above-identified patent application or one or more of the other patent applications listed below. For completeness, the above-identified application is also included in the list.

For each application, Applicant has also listed all substantive communications with the Patent Office and requests the Examiner to review the same as part of evaluating this patent application. These communications are available to the Examiner on the Patent Office's image file wrapper system. Therefore, copies of these communications are not enclosed. At the Examiner's request, Applicant would be happy to provide copies of any of these communications. Applicant notes that restriction requirements, preliminary amendments, etc. have not been listed although these may be easily accessed using the Patent Office's image file wrapper system. Also, the communications listed below are not listed on the Form PTO/SB/08 because in other situations they have been crossed off the SB/08 form to prevent them from being listed on the front of the patent even though they were considered by the Examiner. Applicant believes this is a more efficient way to bring these communications to the Examiner's attention. For completeness, communications in the above-identified application are also included in the list.

Atty. Dkt. No. 065640-0210

Identification No.	Filing Date	Title of Application
App. No.: 10/076,144 Abandoned	February 15, 2002	Filtration Media of Porous Inorganic Particles
PCT/US02/05753 Int'l Pub. No.: WO 02/070105	February 28, 2002	Filtration Media of Porous Inorganic Particles
– International Search Report, mailed on October 24, 2002 (5 pages) (a copy is provided with this Information Disclosure Statement as WO 02/070105 A3).		
Patent No.: 6,814,783 Patent App. Pub. No.: 2004/0011203 App. No.: 10/363,849	March 14, 2003	Filtration Media of Porous Inorganic Particles
– Non-Final Rejection, mailed on February 13, 2004. – Reply and Amendment, submitted on April 26, 2004. – Examiner Interview Summary Report, mailed on April 28, 2004.		
Patent App. Pub. No.: 2005/0028498 App. No.: 10/632,805 Pending	August 4, 2003	Separation Apparatus
– Non-Final Rejection, mailed on February 7, 2005.		
Patent App. Pub. No.: 2004/0139858 App. No.: 10/690,454 Pending	October 22, 2003	Filtration Media of Porous Inorganic Particles
App. No.: 10/699,573 Pending	October 31, 2003	High Capture Efficiency Baffle
Patent App. Pub. No.: 2005/0016376 App. No.: 10/866,250 Pending	June 14, 2004	Filtration Media
Patent App. Pub. No.: 2005/0002833 App. No.: 10/894,032 Pending	July 20, 2004	Filtration Media
– Non-Final Rejection, mailed on January 27, 2005.		
PCT/US2004/023377 Int'l Pub. No.: WO 2005/017415 Pending	July 21, 2004	Separation Apparatus
App. No.: 10/934,636 Pending	September 3, 2004	Filtration Media of Porous Inorganic Particles
PCT/US2004/032311 Pending	October 19, 2004	High Capture Efficiency Baffle
– International Search Report and Written Opinion, mailed on March 1, 2005 (9 pages) (a copy is provided with this Information Disclosure Statement).		

Atty. Dkt. No. 065640-0210

RELEVANCE OF EACH DOCUMENT

An English abstract for DE 101 26 842 states: "In a kitchen air filtration process, grease and water are first removed followed first by removal of residual moisture in a drying process and then with removal of odors by adsorption. An Independent claim is included for a kitchen air filter hood with a vortex filter (1), a rib-mesh grease trap (2), drier (3) and odor (4) filters. The filters (1-4) are all integrated within the same filter insert. The vortex filter has a grease and water drain tube (5). The air drier filter structure comprises zeolite with higher water affinity than active carbon granules, or silica-gel, or slowly-dissolving inorganic salts, or a polymer. The drier salt crystals are held within a fine-pored polyurethane foam, and discharge through the vortex generator outlet to a trap (6)."

An English abstract for DE 101 27 678 states: "The air filter comprises a filter plate (1) with two or more parallel plate like filter elements (2, 3, 4) with a narrow flat interspace (9) inbetween and with water jets (15) directed into the interspace and associated with water receptacles such as inclined grooves (16) to create a water curtain (13) which covers more than half the flat area extension of the flat interspace. The distance between the water jets and the receptacles should be no more than 15 cm."

An English abstract for DE 102 08 474 states: "A filter system extracts particles and/or drops of liquid from air flowing through the filter system. The filter system has a filter layer disposed in a plane and a cyclone collector that is disposed in the edge region of the filter layer. The cyclone collector is provided with a device which, compared with the filter layer, creates a higher flow speed and stronger vortexing of the circulating air. The cyclone collector can be produced from horizontal cyclone elements, curved, horizontal elements or from expanded metal."

An English abstract for DE 197 05 508 states: "The new grid separates fluid and/or solid particles from a gas flow by inducing swirl. It comprises profiles with long edges overlapping to

Atty. Dkt. No. 065640-0210

form flow channels. In the regions of overlap, the gas flow is repeatedly deflected. Particles separate and are collected in an edge channel of each profiled section. This channel forms a dead space as regards flow. In this novel design, the grid comprises only one row of mutually adjacent sections (1). The cross-section of each is a double-U shape. The first (2) opens downstream, the second (4) upstream. The side wall (6) of the first U-section (2) is spaced away from the walls (9, 7) of the collection channel (8), both sections sharing a common intermediate wall (5). The sidewall (6) of the first section (2) and that (9) of the collection channel (8) end at the same height. The profile (1) is fastened by the upper and/or lower part of its U-shaped sections (12, 13) to a separator grid support frame.”

From the Figures, DE 299 06 295 appears to be related to filters.

An English abstract for DE 40 16 582 states: “To improve the cleaning action in a device for separating fluids from a gas current, especially for oil mist, with two curved deflection surfaces facing each other on their concave sides with some lateral staggering, along which a current of air to be cleaned flows in succession, it is proposed that at least one of the deflection surfaces extends over an arc or more than 180 DEG and that the gas stream substantially tangentially entering the chamber formed by this deflection surface crosses the flow path of the entering gas current on leaving the chamber.”

An English abstract for DE 44 27 074 states: “Two closely adjacent rows of spaced sections, having U-shaped cross sections, present open and closed surfaces to the air flow. The long edges of adjacent sections project into each other's interior, forming an alternating row. The long edges of the downstream row (2.1,2.2) are re-entrant in section, forming channels (5) by their inward curvatures. These are dead spaces for flow, and here the particles settle and drain away. The sections (6.1, 6.2, 6.3, 7.1, 7.2) are sheet metal. The sections (1.1, 1.2, 1.3, 2.1, 2.2, 6.1, 6.2, 6.3, 7.1, 7.2) are fastened by their ends to further U-section frames (8), with alternating tabs (9) at the sides. The tabs (9) are fastened to the interior sides of the sections (6.1, 6.2, 6.3, 7.1, 7.2).”

Att. Dkt. No. 055640-0210

The International Search Report and Written Opinion listed on the Form SB/08 are for International Application No. PCT/US2004/032311, which is listed on the table of related applications. The PCT/US2004/032311 application corresponds to U.S. Application No. 10/699,573 entitled "High Capture Efficiency Baffle."

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

FEE

Please charge the amount of \$180.00 as specified in 37 CFR §1.17(p) to Deposit Account No. 19-0741 for submission of an information disclosure statement under 37 CFR §1.97(c).

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment to Deposit Account No. 19-0741.

Respectfully submitted,

Date

March 24, 2005

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (414) 297-5554  
Facsimile: (414) 297-4990

By



Jason E. Pauls  
Attorney for Applicant  
Registration No. 45,651

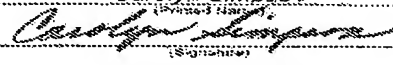
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App. Ext. No. 055540-0210

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Filing Date: 03/04/2003  
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Art Unit: 1724

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Atty. Dkt. No. 065640-0210

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Atty. Dkt. No. 065640-0210

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Atty. Dkt. No. 065640-0210

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App. Dkt. No. 053640-0210

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**FEE**

Please charge the amount of \$180.00 as specified in 37 CFR §1.17(p) to Deposit Account No. 19-0741 for submission of an information disclosure statement under 37 CFR §1.97(c).

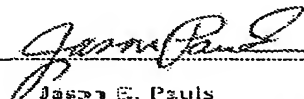
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741.

Respectfully submitted,

Date

March 24, 2005

By



FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (414) 297-5554  
Facsimile: (414) 297-4990

Jason E. Pauls  
Attorney for Applicant  
Registration No. 43,651

-6-

002.1365871.1

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT  Date Submitted: March 24, 2005 (use as many sheets as necessary)			Complete if Known		
			Application Number	10/632,805	
			Filing Date	08/04/2003	
			First Named Inventor	Majid ENTEZARIAN	
			Group Art Unit	1724	
			Examiner Name	Hopkins, Robert A.	
Sheet	1	of	2	Attorney Docket Number	065640-0210

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	2004/0139858	A1	ENTEZARIAN ET AL.	07/22/2004	
	A2	2004/011203	A1	FITCH ET AL.	01/22/2004	
	A3	6,833,022	A2	FEISTHEMME ET AL.	12/21/2004	
	A4	6,814,783	B2	FITCH ET AL.	11/09/2004	
	A5	6,627,088	B1	BREITENBACH ET AL.	09/30/2003	
	A6	6,344,074		WARD ET AL.	02/05/2002	
	A7	6,235,249		FU ET AL.	05/22/2001	
	A8	6,099,808		MILLER ET AL.	08/08/2000	
	A9	6,083,408		BREITENBACH ET AL.	07/04/2000	
	A10	6,050,208		KENNEDY	04/18/2000	
	A11	5,964,927		GRAHAM ET AL.	10/12/1999	
	A12	5,902,182		KRAMER	05/11/1999	
	A13	5,671,726		HSU	09/30/1997	
	A14	5,669,947		DIACHUK	09/23/1997	
	A15	5,651,803		DIACHUK	07/29/1997	
	A16	5,637,124		DIACHUK	06/10/1997	
	A17	5,595,509		FRY ET AL.	01/21/1997	
	A18	5,320,088		NESTER	06/14/1994	
	A19	5,302,354		WATVEDT ET AL.	04/12/1994	
	A20	5,288,298		ASTON	02/22/1994	
	A21	5,251,608		COTE	10/12/1993	
	A22	5,211,159		LIEBLEIN ET AL.	05/18/1993	
	A23	5,179,061		HAERLE	01/12/1993	
	A24	5,053,064		HAMA ET AL.	10/01/1991	
	A25	5,002,040		MACFARLANE	03/26/1991	
	A26	4,969,936		SCHWEIGERT ET AL.	11/13/1990	
	A27	4,921,509		MACLIN	05/01/1990	
	A28	4,902,316		GILES, SR. ET AL.	02/20/1990	
	A29	4,830,644		GUTERMUTH	05/16/1989	
	A30	4,534,775		FRAZIER	08/13/1985	
	A31	4,321,768		ENGELHARDT	03/30/1982	
	A32	4,292,285		NAKAO ET AL.	09/29/1981	
	A33	4,235,200		SHAY	11/25/1980	
	A34	4,042,352		SHIGA ET AL.	08/16/1977	
	A35	3,785,124		GAYLORD	01/15/1974	
	A36	2,886,124		SCHARMER	05/12/1959	

002.1365877.1

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/632,805	
Date Submitted: March 24, 2005			Filing Date	08/04/2003	
(use as many sheets as necessary)			First Named Inventor	Majid ENTEZARIAN	
			Group Art Unit	1724	
			Examiner Name	Hopkins, Robert A.	
Sheet	2	of	2	Attorney Docket Number	065640-0210

U.S. PATENT DOCUMENTS					
	U.S. Patent Document				
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A42	DE	10 208 474	A1	BOCKLE ET AL.	09/04/2003		
	A43	DE	10 127 678	A1	SCHMALHOFER	01-02-2003		
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A50	International Search Report and Written Opinion for PCT/US2004/032311, mailed on March 1, 2005 (9 pages).	

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Examiner Signature	Date Considered
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